# Kobe Sarausad

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Portfolio                                                                425-449-3681

## Education

**University of Washington**                    **Seattle, WA**          **Sep 2019 - Jun 2023**
Bachelor of Science in Statistics: Data Science                          GPA: 3.53/4.00

**Relevant Coursework:** Data Structures and Algorithms, Foundational Skills for Data Science, Statistical Computing, Data Visualization, Machine Learning, Applied Regression and Analysis of Variance

## Experience

**Seattle Mariners**                            **Seattle, WA**          **Nov 2022 - *Present***
Business Insights Intern

- Maintained underlined data clarity and hygiene with information tied to customers by ensuring the accuracy and consistency of data across multiple systems.
- Produced PowerBI dashboards that compile key metrics for a specific audience (less data technical) to provide insights into business performance and inform decision-making.
- Automated tasks with Python, such as scraping external data for in-house use with BeautifulSoup and carrying out routine tasks, to increase productivity and efficiency.

**University of Washington**                    **Seattle, WA**          **Sep 2022 - *Present***
Data Science Intern

- Built interactive visualizations with D3.js to communicate machine learning model outputs to stakeholders and decision-makers.
- Collaborated with the UX team to study the best way to present information, resulting in the development of user-friendly visualizations on DawgPath (an educational exploratory tool).
- Tuned deep learning models to create predictions about a student's quarterly success based on their activity on Canvas, the university's learning management system.

**MLB**                                         **New York, NY**         **Jun 2022 - Aug 2022**
Analytics Intern

- Built out data dictionaries and data mapping for relational databases with Lucid chart to ensure consistency and accuracy in data storage and retrieval.
- Segmented customers of MLB.tv using k-prototype clustering in Python to uncover groups that required strategic targeting for marketing campaigns.
- Automated queries and reports using R to increase efficiency and reduce the time needed to perform routine tasks.

## Projects

**Quantifying the Polarization of Congress using SVD** (R): discovered hidden trends in data using dimension reduction (SVD) on the roll calls of congress

**NBA MVP Prediction using Machine Learning** (R, slides): predicted the NBA MVP by combining season game-level statistics and sentiment analysis. Achieved 77% accuracy throughout the 2010-2022 NBA seasons

**Presenting American Homelessness Data With Interactive Visualizations** (Vega-Lite): created interactive visualizations using Vega-Lite to present the trends and patterns of homelessness in the United States

**Projecting Crime Frequency, Datathon 2023** (D3): compared different deep learning models that best predicted most likely crime. Produced report using D3.js in an article-style format.

**Uncovering Neglected Pro Bono Cases using Survival Analysis, DataFest 2023** (R): applied survival analysis to suggest the cases the American Bar Association should invest more resources in.

## Skills

**Software Tools**: Rstudio, Terminal, Jupyter Notebook, Virtual Studio Code, Atom, PowerBI, Tableau, GitHub, Microsoft Excel, Azure Data Studio
**Programming Languages**: R, Python, MS SQL, JavaScript, HTML, CSS, Java, Node.js, SQLite
**Languages**: English, Japanese (limited working proficiency)